U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service
MARINE WEATHER SERVICE CHART
ALASKAN WATERS
NOT TO BE USED FOR NAVIGATION

The following Weather Service Offices Provide
VOICE WEATHER BROADCASTS AND RECEIVE MARINE WEATHER OBSERVATIONS
ON MARINE VHF CHANNELS

Location	Announce/Monitor	Broadcast	Local Times
Annette	16	9	0600 1550
Barrow	16/68	68	0700 1200 1800
Bethel	16/68	66	0730 1600
Cold Bay	16	9	0915 1715
King Salmon	16		0630 1645 *Apr - Oct only
Kodiak	16		0600 1700
Kotzebue	16/68		0930 1530 *May - Oct only
McGrath	16	7	0700 1900
Nome	16	9	0700 1900
Saint Paul	9	6/9	0600 0730 1400 1700
Yakutat	16	9	0630 1715

Stations request marine weather observations (MAREPs) before each broadcast.
Radios are monitored during hours that offices are open and personnel are available.

The Following Weather Service Offices Also Provide
VOICE WEATHER BROADCASTS AND RECEIVE MARINE WEATHER OBSERVATIONS
ON HF/USB (4125 kHz)

Location	Local Times	HF Call Sign
Yakutat	0515 1930	KGO91
Barrow	0630 1900	KCB53 *Apr 1 - Sep 15 only
Annette	0700 1540	KGD58
Kodiak	0800 1800	KWL38
Cold Bay	1030 2030	KCI95
King Salmon	0930 1630	KCI98
Nome	1130 2130	KCI94

Stations request marine weather observations (MAREPs) before each broadcast.
Radios are monitored during hours that offices are open and personnel are available.

MARINE WEATHER REPORTING PROGRAM

The National Weather Service (NWS) has established a nationwide Mariner Report Program – MAREP – to help improve marine forecasts, warnings and services. Through this cooperative effort, professional mariners make radio reports of sea, wind, and weather conditions to NWS marine forcasters. Marine observations can be reported via HF/SSB, VHF, cell phone, E-mail or satellite

Port Meteorological Officer, Anchorage 907-271-5135

INDEX TO MARINE COASTAL FORECAST AREAS FOR ALASKAN WATERS

AREA	DESCRIPTION	AREA	DESCRIPTION
PKZ011	Glacier Bay	PKZ138	Shelikof Strait
PKZ012	Northern Lynn Canal	PKZ140	Cook Inlet North of Kamishak Bay & English Bay
PKZ013	Southern Lynn Canal	PKZ141	Kachemak Bay
PKZ021	Icy Strait	PKZ150	Sitkinak to Castle Cape
PKZ022	Cross Sound	PKZ155	Castle Cape to Cape Sarichef
PKZ031	Stephens Passage	PKZ160	Cape Newenham to Port Heiden
PKZ032	Northern Chatham Strait	PKZ165	Port Heiden to Cape Sarichef
PKZ033	Southern Chatham Strait	PKZ170	Cape Sarichef to Nikolski
PKZ034	Frederick Sound	PKZ171	Unalaska Bay
PKZ035	Sumner Strait	PKZ172	Nikolski to Adak
PKZ036	Clarence Strait	PKZ175	Adak to Kiska
PKZ041	Dixon Entrance to Cape Decision	PKZ176	Kiska to Attu
PKZ042	Cape Decision to Cape Edgecumbe	PKZ179	Pribilof Islands Near-Shore Waters
PKZ043	Cape Edgecumbe to Cape Fairweather	PKZ180	Cape Newenham to Dall Point
PKZ051	Cape Fairweather to Icy Cape	PKZ185	St Matthew Island Waters
PKZ052	Icy Cape to Cape Suckling	PKZ200	Norton Sound
PKZ053	Yakutat Bay	PKZ210	Dall Point to Wales
PKZ120	Cape Suckling to Gore Point	PKZ215	Kotzebue Sound
PKZ121	Resurrection Bay	PKZ220	Wales to Cape Thompson
PKZ125	Prince William Sound	PKZ225	Cape Thompson to Cape Beaufort
PKZ126	Port Valdez	PKZ230	Cape Beaufort to Point Franklin
PKZ127	Valdez Narrows	PKZ235	Point Franklin to Cape Halkett
PKZ128	Valdez Arm	PKZ240	Cape Halkett to Flaxman Island
PKZ129	Passage Canal	PKZ245	Flaxman Island to Demarcation Point
PKZ130	Barren Islands & Kamishak Bay Waters	PKZ310	Gulf of Alaska Offshore, North of 55 degrees and East of 144 degrees
PKZ132	Shuyak Island to Sitkinak		
PKZ136	Chiniak Bay	PKZ350	Gulf of Alaska Offshore, North of 55 degrees and West of 144 degrees
PKZ137	Marmot Bay		
		PKZ410	Bering Sea Offshore-South Central Bering Sea

Physical Oceanographic Real-Time System (PORTS)

PORTS is an integrated system of water level data, winds, pressure, air/water temperatures, Mean Lower Low Water (MLLW) datum, water density, visibility, waves, and other elements. PORTS was developed in response to stress on national waterways. High water can cause floods while low water can cause ships to ground. For more information and access to PORTS for the Port of Anchorage, please check out: http://co-ops.nos.noaa.gov/akports/akports.html

LEGEND
- COASTAL MARINE AUTOMATED NETWORK (CMAN) STATION
- NOAA DATA BUOY
- NOAA WEATHER RADIO
- USCG HIGH SITES
- HF/VHF VOICE BROADCASTS

Dashed lines represent common sub-divisions used in forcasts for this area.

LAT. 51.9 N.
LONG. 155.9 W.

MAY 2005

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NOAA-PA-200550

If you find any discrepancies on this chart or have any questions or comments, please e-mail them to: marine.weather@noaa.gov. Your input is appreciated and it will be considered when preparing the next edition.

MSC-15—ALASKAN WATERS

NWS PRODUCTS VIA WWV, WWVH HF VOICE

The National Institute of Standards and Technology (NIST) broadcasts a time and frequency service from stations WWV in Fort Collins, CO and WWVH in Kauai, HI, commonly known to mariners as the "Time Tick" used as an aid in celestial navigation. Included in these are hourly voice broadcasts of current highseas storm warnings for the Atlantic, Pacific and the Gulf of Mexico provided by the National Weather Service.

WWV (Fort Collins, CO)
FREQENCIES : 2.5, 5, 10, 15, 20 MHz (AM)

TIMES OF BROADCAST	BROADCAST AREA
8 minutes past the hour	Atlantic highseas warnings
9 minutes past the hour	Atlantic highseas warnings
10 minutes past the hour	Pacific highseas warnings

WWVH (Hawaii)
FREQENCIES : 2.5, 5, 10, 15 MHz (AM)

TIMES OF BROADCAST	BROADCAST AREA
48 - 51 Minutes past the hour	Pacific highseas warnings

DIAL-A-BUOY

Mariners can obtain the latest coastal and offshore weather observations through a new telephone service called Dial-A-Buoy. This service provides wind and wave measurements taken within the last hour at stations located in coastal waters around the United States and in the Great Lakes.

To access Dial-A-Bouy, dial 1-228-688-1948 using a touch tone or cellular phone. Enter the five-digit station identifier in response to the prompt. The Dial-A-Bouy menu tree has a selection for the caller to receive a map of bouy station identifiers via return call fax. Station identifiers also can be obtained at the following web site: **http://www.ndbc.noaa.gov.**

Commercial Broadcast AM and FM Radio Stations That Broadcast NWS Forecasts and Warnings

Location	Station	Frequency
Anchorage	KHAR	590 AM
Anchorage	KENI	650 AM
Anchorage	KSHA	91.1 FM
Barrow	KBRW	680 AM
Bethel	KYUK	640 AM
Cordova	KLAM	1450 AM
Craig	KRBD	101.7 FM
Dillingham	KDLG	670 AM
Fort Yukon	KZPA	910 AM
Galena	KIYU	900 AM
Glennallen	KCAM	790 AM
Haines/Skagway	KHNS	102.7 FM
Homer	KGTL	620 AM
Homer	KBBI	890 AM
Homer/Soldotna	KPEN	101.7 FM
Homer	KWVV	103.5 FM
Juneau	KJNO	630 AM
Juneau	KINY	800 AM
Juneau	KSUP	106.3 FM
Juneau	KTOO	104.3 FM
Kenai/Soldotna	KSRM	920 AM
Kenai	KWHQ	100.1 FM
Ketchikan	KTKN	930 AM
Ketchikan	KFMJ	99.9 FM
Ketchikan	KRBD	105.9 FM
Ketchikan	KGTW	106.7 FM
Kodiak	KVOK	560 AM
Kodiak	KMXT	100.1 FM
Kodiak	KJJZ	101.1 FM
Kotzebue	KOTZ	720 AM
McGrath	KSKO	870 AM
Naknek	KAKN	100.9 FM
Nome	KNOM	780 AM
Nome	KICY	850 AM
Nome	KNOM	96.1 FM
Petersburg	KFSK	100.9 FM
Saint Paul	KUHB	91.9 FM
Sand Point	KSDP	840 AM
Seward	KRXA	950 AM
Sitka	KIFW	1230 AM
Sitka	KCAW	104.7 FM
Unalaska	KIAL	1450 AM
Valdez	KCHU	770 AM
Valdez	KVAK	1230 AM
Whittier	KCHU	88.1 FM
Wrangell	KSTK	101.7 FM
Yakutat	KCAW	90.1 FM

Marine and aviation weather for Alaska are given every evening on "Alaska Weather", on most Alaska PBS television stations.

Radio Broadcasts of Marine Weather Warnings and Forecasts by Coast Guard Stations

I. Voice Broadcasts
HF Weather Broadcasts are on 2670 Khz and 6501 Khz (USB) from Kodiak at 0200 and1645 UCT.

Weather warnings are broadcast immediately upon receipt.

II. NAVTEX Broadcasts

Location	Station	Frequency	Time (UCT)
Kodiak	J	518 Khz	0300, 0700, 1100, 1500, 1900, 2300
Adak*	X	518 Khz	Same as above except at 40 min. past the hour.

*Adak area information broadcast from Kodiak.

National Weather Service Points of Contact

Marine weather forecasts and warnings, when issued can be obtained, by telephone, as follows:

- Telephone Access to Continuous Weather Broadcasts:

Cordova	907-424-3333
Juneau	907-586-3997
Sitka	907-747-6011
Wrangell	907-874-3232
Yakutat	907-784-3654

-Alaska Weather Line: Statewide Recorded Menu System
Easy access to land observations, buoy observations, coastal marine weather forecasts, and other information.

Within Alaska	800-472-0391
In Anchorage	907-266-5145
In Juneau	907-790-6850
In Petersburg	907-772-3311
In Fairbanks	907-458-3745

- Office telephone numbers:

Annette	907-886-3241	12am - 5pm daily
Anchorage	907-266-5105	24 hours daily
Barrow	907-852-6484	24 hours daily
Bethel	907-543-2236	12am - 5pm daily
Cold Bay	907-532-2448	24 hours daily
Fairbanks	907-458-3700	24 hours daily
Homer	907-266-5105	varies
Juneau	907-790-6824	24 hours daily
King Salmon	907-246-3303	12am - 5pm daily
Kodiak	907-487-4338	24 hours daily
Kotzebue	907-442-3231	12am - 5pm daily
Nome	907-443-2321	24 hours daily
St. Paul	907-546-2215	24 hours daily
Valdez	907-835-4505	24 hours daily
Yakutat	907-784-3322	24 hours daily

The complete weather line menu can be found at: **http://www.arh.noaa.gov/Info/awl.html**

NOAA Weather Radio (NWR), Specific Area Message Encoder (SAME), and NWR Coverage

NOAA Weather Radio broadcasts on 162.40, 162.425, 162.45, 162.475, 162.50, 162.525 and 162.55 MHz can usually be received 20-40 miles from the transmitting antenna site, depending on terrain and the quality of the receiver used. Where transmitting antennas are on high ground, the range is somewhat greater, reaching 60 miles or more. The VHF-FM frequencies used for these broadcasts require narrow-band FM receivers. The National Weather Service recommends receivers having a sensitivity of one microvolt or less for a quieting factor of 20 decibels.

Some receivers are equipped with a warning alarm device that can be turned on by means of a tone signal controlled by the National Weather Service office concerned. This signal is transmitted for 13 seconds preceeding an announcement of a severe weather warning.

In addition, the Federal Communications Commission (FCC) has approved the special SAME code to delineate marine areas. Mariners with NWR receivers equipped with SAME should check out:

http://www.nws.noaa.gov/om/marine/wxradio.htm
for information on how to program their receivers.

For a listing of marine area and zone codes for SAME, go to:
http://www.nws.noaa.gov/geodata/catalog/wsom/html/marinewreas.htm

BUOY AND C-MAN DATA AVAILABLE VIA E-MAIL (FTPMAIL)

Current buoy and C-MAN data is now available in a very compact form via http:, ftp, or e-mail (FTPMAIL).

Via http:
http://www.ndbc.noaa.gov/data/latest_obs/
Via ftp:
ftp://www.ndbc.noaa.gov/data/latest_obs/
Via e-mail (FTPMAIL)
http://weather.noaa.gov/pub/fax/buoydata.txt (instructions)

Send an e-mail to: ftpmail@weather.noaa.gov
Subject Line: Put anything you like
Body: open www.ndbc.noaa.gov
cd data
cd latest_obs
get 42007.txt
get gdil1.txt
quit

NOAA Weather Radio
Continuous VHF Weather Broadcast

Location	Station	Frequency (Mhz)
Anchorage	KEC-43	162.55
Barrow	KZZ-53	162.55
Bethel	WNG-675	162.55
Cape Gull	WNG-529	162.50
Cordova	WXJ-79	162.40
Craig	WXI-80	162.475
Dillingham	WNG-681	162.50
Dutch Harbor	WXK-89	162.55
Haines	WXM-97	162.40
Homer	WXJ-24	162.40
Juneau	WXJ-25	162.55
Ketchikan	WXJ-26	162.55
Kodiak	WXJ-78	162.55
Kotzebue	KWN-30	162.55
Marmot Island	WNG-716	162.50
Ninilchik	KZZ-97	162.55
Nome	WXJ-62	162.55
Potato Point	WNG-527	162.425
Sand Point	WNG-525	162.55
Seward	KEC-81	162.55
Sitka	WXJ-80	162.55
Sitkinak Dome	WNG-718	162.50
Soldotna	WWG-39	162.475
Tripod Mountain	WNG-75	162.450
Valdez	WXJ-63	162.55
Wasilla	KZZ-98	162.40
Whittier	KXI-29	162.40
Wrangell	WXJ-83	162.40
Yakutat	WXK-69	162.40

NOAA Weather Radio as USCG High Sites

Location	Station	Frequency (Mhz)
Althorp Peak	KZZ-86	162.425
Bede Mountian	WNG-528	162.450
Cape Fanshaw	KZZ-88	162.425
Cape Gull	WNG-529	162.500
Cape Hinchinbrook	TBD	162.525
Dillingham	WNG-681	162.500
Duke Island	KZZ-92	162.450
East Point	WNG-530	162.500
Gravina Island	KZZ-96	162.525
Marmot Island	WNG-716	162.500
Mount McArthur	KZZ-95	162.525
Mt. Robert Barron	KZZ-87	162.450
Pillar Mountain	WNG-531	162.525
Point Pigot	KZZ-93	162.450
Potato Point	WNG-527	162.425
Rugged Island	WNG-526	162.425
Raspberry Island	KZZ-90	162.425
Sitkinak Dome	WNG-718	162.500
Sukkawan Island	KZZ-89	162.425
Tripod Mountain	WNG-715	162.450
Tuklung Mountain	WNG-525	162.425
Zarembo Island	KZZ-91	162.450

Marine Weather Radio VHF Broadcast Frequencies

Channel 1 ~ 162.550 MHz
Channel 2 ~ 162.400 MHz
Channel 3 ~ 162.475 MHz
Channel 4 ~ 162.425 MHz
Channel 5 ~ 162.450 MHz
Channel 6 ~ 162.500 MHz
Channel 7 ~ 162.525 MHz

OTHER MARINE WEATHER SERVICES CHARTS AVAILABLE

MSC-1	Eastport, ME to Montauk Point, NY	MSC-8	Mexican Border to Point Conception, CA
MSC-2	Montauk Point, NY to Manasquan, NJ	MSC-9	Point Conception, CA to Point St. George, CA
MSC-3	Manasquan, NJ to Cape Hatteras, NC	MSC-10	Point St. George, CA to Canadian Border
MSC-4	Cape Hatteras, NC to Savannah, GA	MSC-11/12	Great Lakes
MSC-5	Savannah, GA to Apalachicola, FL	MSC-13	Hawaiian Waters
MSC-6	Apalachicola, FL to Morgan City, LA	MSC-14	Puerto Rico and Virgin Islands
MSC-7	Morgan City, LA to Brownsville, TX	MSC-15	Alaskan Waters
		MSC-16	Guam and the Northern Mariana Islands

MSC charts can be viewed at
http://www.nws.noaa.gov/om/marine/pub.htm
Nautical charts for navigation purposes for these coastal areas are available from local marinas, marine supply stores, and the address below.
Copies of these charts are available for $1.25 each from:
FAA, National Aeronautical Charting Office
Distribution Division, AVN-530
Telephone Toll-Free: (800) 638-8972
E-Mail: 9-AMC-Chartsales@FAA.gov

MAY 2005

INTERNET ADDRESSES

National Weather Service Alaska Region
http://www.arh.noaa.gov
National Weather Service Current Weather Data
http://www.nws.noaa.gov
National Data Buoy Center
http://www.ndbc.noaa.gov
U. S. Coast Guard Navigation Center
http://www.navcen.uscg.mil
Marine Product Dissemination Information
http://www.nws.noaa.gov/om/marine/home.htm
National Weather Service - MSC charts
http://www.nws.noaa.gov/om/marine/pub.htm
Meteorological Services of Canada
http://www.weatheroffice.com
WFO Anchorage
http://pafc.arh.noaa.gov
WFO Fairbanks
http://pafg.arh.noaa.gov
WFO Juneau
http://pajk.arh.noaa.gov

MARINE RADIOFACSIMILE CHARTS THROUGH E-MAIL

National Weather Service radiofax charts broadcast by the U.S. Coast Guard from Pt. Reyes, CA are available via E-mail. Marine text products are also available through this service. This allows Internet access for mariners who do not have direct access to the World Wide Web, but who are equipped with an E-mail system. Users can request files from NWS and have them automatically E-mailed back to them. To get started, send an E-mail to:

Address: ftpmail@weather.noaa.gov
Subject: (not required)
Body: help

Direct any questions to 301-713-1677, extension 128,
or 301-713-0882, extension 122.

EXPLANATION OF ADVISORIES/WARNINGS

SMALL CRAFT ADVISORY: Issued to alert mariners to sustained (more than two hours) weather or sea conditions, either present or forecast, that might be hazardous to small boats. Boaters/Mariners will be able to receive the Small Craft Advisory by keeping tuned to a NOAA Weather Radio Station or the Coast Guard and commercial radio stations that transmit marine weather information. The threshold conditions for the Small Craft Advisory are usually based on 23 knots of wind or hazardous wave conditions. Decision as to the degree of hazard will be left to the boat operator, based on experience and the size and type of boat. There is no legal definition of the term "small craft".

GALE WARNING: Issued to indicate winds within the range of 34 to 47 knots are either present or forecast for the area.

STORM WARNING: Issued to indicate winds within the range of 48 to 63 knots, are either present or forecast for the area.

HURRICANE FORCE WIND WARNING: Issued to indicate winds of 64 knots or above, no matter how high the speed, are either present or forecast for the area. Not associated with a tropical storm.

SPECIAL MARINE WARNING: Issued whenever a severe local storm or strong wind of brief duration is imminent, or for volcanic ash fallout and is not covered by existing warnings or advisories.

HEAVY FREEZING SPRAY: An accumulation of freezing water droplets on a vessel at a rate of 2 cm per hour or greater caused by a combination of cold water, wind, cold air temperature, and vessel movement.

TSUNAMI WARNING/WATCH: Issued by the National Weather Service, West Coast/Alaska Tsunami Warning Center, Palmer Alaska, for long period water waves which were generated by an earthquake, and when issued as a warning are less than 2 hours travel time to the warning area. A watch is issued when waves are more than 2 hours travel time to the warning area.

NATIONAL WEATHER SERVICE MARINE WEATHER CHARTS
U.S. COAST GUARD COMMS STATION KODIAK, ALASKA

CALL SIGN	FREQUENCIES (kHz)	TIMES
NOJ	2054	CONTINUOUS
	4298	CONTINUOUS
	8459	CONTINUOUS
	12412.5	CONTINUOUS

WEATHER RADIOFACSIMILE TRANSMISSION SCHEDULE

Select a carrier frequency 1.9kHz below those listed when using a single sideband radio in the USB mode to receive these broadcasts.

Transmission Time (UTC)	Title
0400/1600	TEST PATTERN
0403/1603	SURFACE ANALYSIS
0427/1627	REBROADCAST 24HR SURFACE FORECAST
0437/1637	REBROADCAST 48HR SURFACE FORECAST
0447/1647	COASTAL MARINE FORECAST TABLES (ALASKA)
0456/1656	SEA STATE ANALYSIS/REBROADCAST
0506/1706	GOES IR SATELLITE IMAGE
0517/1717	500 MB ANALYSIS
0527/1727	SYMBOLS AND CONTRACTIONS/SCHEDULE
0548/1748	REQUEST FOR COMMENTS/PRODUCT NOTICE
0558/1758	24 HOUR 500 MB FORECAST
0950/2150	TEST PATTERN
0953/2153	SURFACE ANALYSIS
1017/2217	24HR WIND/WAVE FORECAST
1027/2227	24HR SURFACE FORECAST
1037/2237	48HR SURFACE FORECAST
1047/2247	48HR WIND/WAVE FORECAST
1057/2257	5-DAY SEA ICE FORECAST/SEA ICE ANALYSIS
1117/2317	GOES IR SATELLITE IMAGE
1128/2328	48HR WAVE PERIOD, SWELL DIRECTION
1138/2238	48HR 500 MB ANALYSIS
1148/----	SEA SURFACE TEMPERATURE ANALYSIS
1159/----	COOK INLET SEA ICE FORECAST
---/2348	96HR SURFACE FORECAST
---/2358	96HR WIND/WAVE FORECAST
---/0008	96HR WAVE PERIOD, SWELL DIRECTION
---/0018	96HR 500 MB ANALYSIS

A comprehensive set of NWS Marine Weather Charts for the Eastern Pacific are broadcast from U.S. COAST GUARD STATION POINT REYES, CALIFORNIA

CALL SIGN	FREQUENCIES (kHz)	TIMES
NMC	4346	NIGHT
	8682	CONTINUOUS
	12590.5	CONTINUOUS
	17151.2	CONTINUOUS
	22527	DAY

MSC-15—ALASKAN WATERS

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